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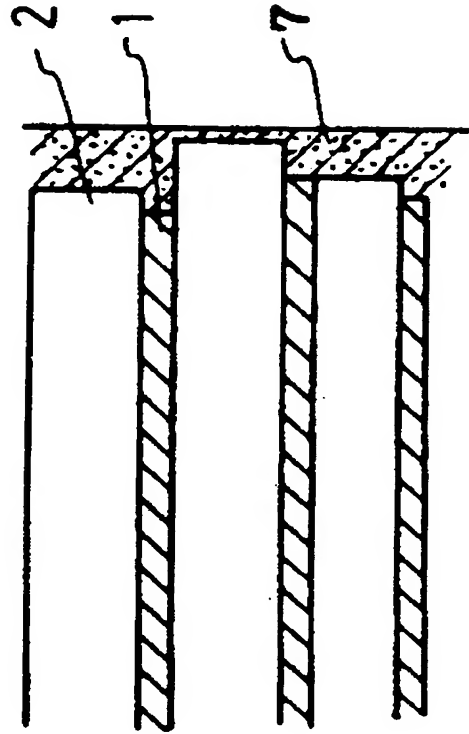
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TITLE : FUEL CELL



ABSTRACT : **PURPOSE:** To make no changes in the characteristic to be caused even when a fuel cell is used under an operational condition, in which electrolyte has a high temperature and a high concentration, for a long time by sealing the peripheries and the corners of a stacked body by means of a three-layered adhesive consisting of the first and the third fluorine-rubber-system adhesive layers and the second silicone-rubber-system adhesive layer.

CONSTITUTION: After a fluorine-rubber-system adhesive usually diluted in a solvent is applied to joined parts such as the corners and the peripheries of the stacked body, the adhesive coats are changed into rubber-like form by vaporizing the solvent at room temperature or under a heated condition. On the other hand, silicone rubber can be easily formed in a thick layer since it is not an adhesive dissolved into a solvent and it causes almost no voluminal shrinkage during the time when it is changed into rubber-like form. The thickness of the first and the third fluorine-rubber-system adhesive layers should be around 0.2~ 0.3mm, and the thickness of the second silicone-rubber-system adhesive layer should be around 1.5~2.0mm. The desired thickness of each of these layers can be easily achieved by applying the adhesive about two or three times.

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